

Title (en)
IDLE REVOLUTION CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

Publication
EP 0244870 A3 19880727 (EN)

Application
EP 87106705 A 19870508

Priority
JP 10541386 A 19860508

Abstract (en)
[origin: EP0244870A2] An idle revolution control device includes a water temperature sensor (2), a filter means (7) and a control means (7, 9) which is constituted with a central processing unit (7) and an interface (9) connecting the water temperature sensor (2) and the central processing unit (7). The filter means (7) functions to provide a time constant which provide a high response speed for a temperature variation toward a high temperature side and a low response speed for a temperature variation toward a low temperature side and to pass an output signal of the water temperature sensor (2) with such time constant a predetermined time after an engine starts.

IPC 1-7
F02D 41/16; F02D 31/00; F02M 3/06

IPC 8 full level
F02D 31/00 (2006.01); **F02D 41/00** (2006.01); **F02D 41/06** (2006.01); **F02D 41/08** (2006.01); **F02D 41/16** (2006.01)

CPC (source: EP KR US)
F02D 31/005 (2013.01 - EP US); **F02D 41/068** (2013.01 - EP US); **F02D 41/08** (2013.01 - KR); **F02D 41/16** (2013.01 - KR)

Citation (search report)
• [Y] DE 3015832 A1 19801120 - NISSAN MOTOR
• [A] DE 3020618 A1 19801204 - NISSAN MOTOR
• [YP] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 231 (M-506)[2287], 12th August 1986; & JP-A-61 065 046 (TOYOTA MOTOR CORP.) 03-04-1986
• [A] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 12 (M-269)[1449], 19th January 1984; & JP-A-58 174 140 (TOYOTA JIDOSHA KOGYO K.K.) 13-10-1983
• [A] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 46 (M-360)[1769], 27th February 1985; & JP-A-59 185 843 (TOYOTA JIDOSHA K.K.) 22-10-1984

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AU599101B2; WO8911030A1; WO8905905A1; WO8912737A1

Designated contracting state (EPC)
DE FR GB

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EP 0244870 A2 19871111; **EP 0244870 A3 19880727**; **EP 0244870 B1 19891213**; AU 599101 B2 19900712; AU 7260387 A 19871112; DE 3761158 D1 19900118; JP S62261627 A 19871113; KR 870011362 A 19871223; KR 900001428 B1 19900309; US 4724808 A 19880216

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